

CENTRAL INTELLIGENCE GROUP  
NEW WAR DEPARTMENT BLDG.  
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USSR: MILITARY/TECHNICAL

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Soviet Reaction to the Bikini Experiments

1. Great excitement continues to reign in Soviet Embassy circles over the new technical discoveries and American armament. The same Russian technicians who recently were speculating on a preventive weapon which the Americans are supposed to have designed to neutralize the effects of the atomic bomb, are now closely studying the results (real or imaginary) of the Bikini experiments. In Soviet circles it is thought that the principal purpose of these experiments was to verify the effectiveness of precision instruments (seismographs, as the Soviets say) which serve to detect the location of the bomb explosion.

2. The Bikini experiments are believed to have proven that American seismographs are capable of locating exactly any explosion of an atomic bomb in any part of the globe. Consequently, Soviet technicians suppose now that if an atomic explosion took place in the USSR (or in any country controlled by the Soviets) American precision devices would immediately detect the location of the explosion. The USA would thus be in a position to know that the atomic bomb had been discovered and was being manufactured by the Soviets.

3. The hypothesis expressed by Soviet technicians is that   is that once an American seismograph detected that an atomic bomb had been released in Russian territory, there would be a preventive war declared immediately by the U.S. against the Soviet Union.

  COMMENT: Note that this report may be an attempt to find out the current U.S. progress on this subject, by evaluation of U.S. reactions to the report.

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